AMENDMENTS TO CLAIMS

Claims 1-29 (canceled).

- 30. (New) A method of identifying endogenous mRNA subsets in a cell, comprising the steps of:
 - (a) lysing a cell comprising an mRNA-protein (mRNP) complex;
 - (b) contacting the mRNP complex with an antibody that specifically binds at least one component of the mRNP complex;
 - (c) partitioning the mRNP complex by capturing the antibody on a solid support;
 - (d) removing the mRNP complex from the solid support; and
 - (e) identifying a plurality of mRNAs from the mRNP complex without amplifying the mRNAs by PCR, thereby to produce a gene expression profile comprising the identity of the mRNAs in the mRNP complex.
- 31. (New) The method of claim 30, wherein the plurality of mRNAs are reverse transcribed prior to their identification.
- 32. (New) The method of claim 30, wherein the plurality of mRNAs are identified using hybridization.
- 33. (New) The method of claim 30, wherein the plurality of mRNAs are identified by sequencing.
- 34. (New) The method of claim 30, wherein the plurality of mRNAs are identified using a microarray.
- 35. (New) The method of claim 34, wherein the microarray is a cDNA array.
- 36. (New) The method of claim 30, wherein the method does not include iterative selection prior to the identification of the mRNAs.
- 37. (New) The method of claim 30, wherein the component of the mRNP complex to which the antibody binds is an endogenous RNA-binding protein.
- 38. (New) The method of claim 37, wherein the endogenous RNA-binding protein is polyA-binding protein (PABP).

- 39. (New) The method of claim 30, wherein the mRNP protein is partitioned from a cell lysate.
- 40. (New) The method of claim 30, further comprising identifying changes in the endogenous RNA subsets following treatment of the cell with a drug.
- 41. (New) The method of claim 30, further comprising identifying changes in the endogenous RNA subsets during cell cycle, developmental events, or a state of ageing.
- 42. (New) The method of claim 30, wherein the cell is a tumor cell.
- 43. (New) The method of claim 30, wherein the cell is an animal or plant cell.
- 44. (New) The method of claim 30, wherein the cell is infected with a pathogen.
- 45. (New) The method of claim 30, wherein the RNA-binding protein is tissue-specific.
- 46. (New) The method of claim 30, wherein the plurality of mRNAs are identified *en masse*.
- 47. (New) The method of claim 30, wherein the plurality of mRNAs comprises approximately 10% of total mRNAs.
- 48. (New) A method of identifying endogenous mRNA subsets in a cell, comprising the steps of:
 - (a) contacting an mRNP complex with an epitope-tagged RNA-binding protein or an epitope-tagged RNA-associated protein (RAP) ectopically expressed in a cell;
 - (b) lysing the cell;
 - (c) partitioning the mRNP complex by capturing the RNA binding protein or the RAP on a solid support;
 - (d) removing the mRNP complex from the solid support; and
 - (e) identifying a plurality of mRNAs from the mRNP complex without amplifying the mRNAs by PCR, thereby to produce a gene expression profile comprising the identity of the mRNAs in the mRNP complex.
- 49. (New) The method of claim 48, wherein the plurality of mRNAs are reverse transcribed prior to their identification.

- 50. (New) The method of claim 48, wherein the plurality of mRNAs are identified using hybridization.
- 51. (New) The method of claim 48, wherein the plurality of mRNAs are identified by sequencing.
- The method of claim 48, wherein the plurality of mRNAs are identified using a 52. (New) microarray.
- 53. (New) The method of claim 52, wherein the microarray is a cDNA array.
- 54. (New) The method of claim 48, wherein the method does not include iterative selection prior to the identification of the mRNAs.
- 55. (New) The method of claim 48, wherein the epitope-tagged RNA-binding protein is ELAV/Hu protein.
- 56. (New) The method of claim 55, wherein the epitope-tagged RNA-binding protein is HuA or HuB.
- 57. (New) The method of claim 48, wherein the epitope tag is a bacteriophage gene-10 tag.
- 58. (New) The method of claim 48, wherein the mRNP complex is contacted with the epitope-tagged RNA-binding protein.
- 59. (New) The method of claim 48, further comprising identifying changes in the endogenous RNA subsets following treatment of the cell with a drug.
- 60. (New) The method of claim 48, further comprising identifying changes in the endogenous RNA subsets during cell cycle, developmental events, or a state of ageing.
- 61. (New) The method of claim 48, wherein the cell is a tumor cell.
- 62. (New) The method of claim 48, wherein the cell is an animal or plant cell.
- 63. (New) The method of claim 48, wherein the cell is infected with a pathogen.
- 64. (New) The method of claim 48, wherein the RNA-binding protein or the RAP is tissue-specific.
- 65. (New) The method of claim 48, wherein the plurality of mRNAs are identified en masse.

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 $66.~(\mbox{New})$ $\,$ The method of claim 48, wherein the plurality of mRNAs comprises approximately 10% of total mRNAs.